OPERATION AND MAINTENANCE MANUAL

Sollevatore manuale leggero e smontabile
Art. 0014

FERVI
PRO SMART EQUIPMENT

TRANSLATION OF THE ORIGINAL INSTRUCTIONS

FOREWORD

Read this manual before operating any machinery

ORIGINAL INSTRUCTIONS

Before starting any operation it is compulsory to read this instruction manual. The guarantee that the hand stacker will function and perform properly is strictly dependent upon the application of all the instructions contained in this manual.

Operator Qualification

The operators assigned to using this hand stacker must be supplied with all of the necessary information and instruction and should be provided with adequate training regarding safety in pertaining to:

a) The conditions of use of the equipment;

b) Foreseeable abnormal situations, pursuant to Article 73 of Legislative Decree 81/08.

We guarantee the Hand stacker's conformity to the specifications and technical instructions described in the Manual on the date of issuance and listed herein; On the other hand, the hand stacker may also be subject to important technical changes in the future, without the manual being updated.

Therefore, see FERVI for information about modifications that could be implemented.

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1 INTRODUCTION

This manual is delivered with the hand stacker, and it must be regarded as an inseparable part of it.

The manufacturer holds all ownership to material and intellectual property of this manual; any disclosure or copying, even partial, of this publication without prior written consent is forbidden.

The purpose of this manual is to provide the knowledge necessary for the use and maintenance of the **Lightweight foldable hand stacker Art. 0014** and create a sense of responsibility and an understanding of the capabilities and limitations of the means entrusted to the operator.

As the hand stacker is entrusted to experienced and skilled operators, the following hand stacker must be perfectly known by the operator if you want it to be used safely and effectively.

Operators must be properly trained and prepared, so make sure that this manual is read and consulted by the staff responsible for commissioning, operation and maintenance of the **Lightweight foldable hand stacker**. This is to make all operations the safest and most effective possible for those who carry out these tasks.

Therefore, it is imperative to strictly comply with the requirements in this manual, a necessary condition for safe and satisfactory operation of the hand stacker.

Before starting operation, installation and usage of the **Lightweight foldable hand stacker**, authorised personnel must:

- carefully read this technical document;
- know which protections and safety devices are available on the hand stackers, their location and how they work.

The buyer is responsible for ensuring that users are properly trained, that they are aware of all the information and instructions in this document and that they are aware of the potential risks of operating the **Lightweight foldable hand stacker**.

The manufacturer waives any and all responsibility for damage to people and/or things caused by non-observance of the instructions in this manual.

The **Lightweight foldable hand stacker** was designed and built with mechanical guards and safety devices designed to protect the operator/user from possible injury. It is strictly forbidden to modify or remove guards, safety devices and caution labels. If this must be done (for example, for cleaning or repair), make sure that no one can use the hand stacker.

Modifications to the hand stacker carried out by the user must be considered their sole responsibility, therefore the manufacturer waives any and all responsibility for any damage caused to persons and/or property resulting from maintenance performed by unqualified personnel and in a manner unlike the operating procedures shown below.

GRAPHIC REPRESENTATION OF SAFETY, OPERATIONAL AND RISK WARNINGS

The following boxes are designed to attract the attention of the reader / user for the **proper** and **safe** use of the hand stacker:

Pay attention

This highlights behavioural rules to prevent damage to the hand stacker and/or the occurrence of dangerous situations.

Residual Risks

This highlights the presence of dangers that cause residual risks to which the operator must pay attention in order to avoid injury or damage to property.

1.1 Preface

For safe and easy operation of the **Lightweight foldable hand stacker**, this manual must be read carefully in order to acquire the necessary knowledge. In other words, durability and performance are strictly dependent on how it is used.

Follow the instructions contained herein, in addition to the general precautions to be observed while working. Even if the operator is already familiar with the **Lightweight foldable hand stacker**, it is necessary to:

- Acquire full knowledge of the hand stacker.
  Read this manual carefully to understand: operation, safety devices and all necessary precautions. All this is to allow safe use of the hand stacker.
- Wear appropriate clothing for the job.
  The operator must wear appropriate clothing, so as to prevent the occurrence of unpleasant accidents.
- Maintain the hand stacker with care.

Using the hand stacker

The hand stacker must only be used by qualified personnel trained to use the hand stacker by authorised personnel.

2 SAFETY WARNINGS

2.1 General safety rules for hand stackers

Risks associated with the use of the hand stacker

Do NOT underestimate the risks related to the use of the hand stacker and stay focused on the work you are carrying out.

Risks associated with the use of the hand stacker

Despite the implementation of all safety devices for safe use of the equipment, it is necessary to take note of all the accident prevention requirements highlighted in various parts of this manual.

Risks associated with the use of the hand stacker

Each and every person who is responsible for the use and maintenance of the device should first have read the instruction manual, particularly the chapter dealing with safety.

It is recommended that the plant safety manager get written confirmation of the above.

Risks associated with the use of the hand stacker

- During all work phases with the hand stacker, you should proceed with great caution in order to avoid damage to persons, to the property or to the hand stacker itself.
- Please only use the hand stacker for its envisaged uses.
- Do not tamper with the safety devices provided by the manufacturer.

Risks associated with the use of the hand stacker

Before starting any work on the hand stacker, the operator must wear the appropriate personal protective equipment (PPE) such as gloves and eye protection.

1. Always check the efficiency and integrity of the hand stacker.
2. Keep the workplace tidy and free from hindrances; disorder causes accidents.
3. Make sure that the work environment is forbidden to children, non-employees and animals.

4. Do not perform tasks on the hand stacker other than those for which it was designed. Only use the hand stacker in the manner in which it was intended, as described in this instruction manual.
5. Work without disturbances.
6. Work areas must be well lit.
7. Wear appropriate clothing. Loose clothing, dangling jewellery, long hair, etc.., can get caught in the moving parts, causing irreparable injury.
8. Replace worn and/or damaged parts, check that the guards and protection devices work properly before operating. If necessary, have the hand stacker checked by technical assistance personnel. Use only original spare parts.
9. Do not use the hand stacker in areas with a risk of fire and/or explosion.
10. It is recommended that users of this publication, for maintenance and repair, have a basic knowledge of mechanical principles and of repair technique procedures.
11. **The person responsible for company safety is to make sure that the staff responsible for using the hand stacker have read and understood this manual in its entirety.**
12. **The company safety manager is responsible for monitoring the company's risk status according to Legislative Decree no. 81/08.**

2.2 Technical support

For any problems or concerns, please contact, without hesitation the Customer Service Department of your dealer, who has competent and specialized staff, specific equipment and spare parts.

2.3 Other provisions

IT IS FORBIDDEN TO TAMPER WITH SAFETY DEVICES

The first thing to do when starting work is to check for the presence and integrity of the protections and the operation of the safety devices.

<u>If any defect is encountered do not use the hand stacker!</u>

Even more so, it is strictly forbidden to modify or remove guards, safety devices, labels and indication signs.

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3 TECHNICAL SPECIFICATIONS AND DIMENSIONS

Description (unit of measurement)	Art. 0014
Maximum capacity (kg)	181
Minimum fork lift (mm)	90
Maximum fork lift (mm)	2500
Fork dimensions (mm)	630 x 570
Distance Centre of gravity (mm)	350
Overall maximum height (mm)	3000
Free lifting (mm)	1200
Empty weight (kg)	60

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4 INTENDED USE AND DESCRIPTION OF THE HAND STACKER

The **Hand Stacker (Art. 0014)**, is a machine designed for the lifting and transportation of loads, arranged on pallets or in normalised containers, on flat smooth floors (such as the floors of industrial warehouses) with appropriate hardness and resistance (capable of supporting the weight of the Stacker plus the maximum rated load capacity).

The working environment must also be sufficiently well lit to ensure maximum operational safety (at least 50 lux are recommended).

The operating temperature is within the range of – 5 / + 45°C.

Other types of use, or the extension of use beyond that envisaged, does not correspond to the designation attributed by the manufacturer, and therefore the latter cannot accept any responsibility for any damage resulting therefrom.

Figure 1 – General view and main parts.

1	Lifting forks	**6**	Fork descent lock
2	Front swivel wheels	**7**	Identification plate
3	Fork locking cotter pin	**8**	Hand winch with lock

4	Rear wheels	**9**	Lifting cables
5	Parking brake pedal	**10**	Upper wheels

The Stacker is made up of the following parts (see Figure 1):

- a strong metal structure, equipped with a pair of forks (ref. 1) that can be varied in height from the ground level; the forks are inserted into two through rods and are held in place by 4 cotter pins (ref. 3);
- a lifting cable (ref. 9) connected to the fork carriage;
- a pair of steerable wheels (ref. 2) that allow the direction of travel to be adjusted;
- two rear wheels (ref. 4), on which the parking brake is applied;
- a pedal operated parking brake (ref. 5), which, when pressed, locks the two rear wheels of the stacker preventing its movement.
- a lock for the lowering of the forks (ref. 6), which mechanically prevents the forks from descending down to ground level;
- an identification plate (ref. 7) which lists all the characteristics of the machine;
- a lifting handle (ref. 8) equipped with a safety pin which locks the rotation of the handle and thus prevents the descent of the load.
- a pair of wheels positioned at the upper part of the stacker (ref.10) to allow the stacker to be used horizontally.

Sloping floors

Do not use the stacker on sloping surfaces. Only use the stacker on flat floors with a maximum inclination with respect to a horizontal position of 1%.

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4.1 Safety devices

The main safety devices present on the hand stacker are:

- The pedal operated parking brakes;
- The lifting cable casing;
- The mechanical stop on the lifting handle;
- The descent lock for the forks
- The identification plate indicating the maximum load capacity (see paragraph 3.2).

The **pedal operated parking brakes** (ref. 5), consisting of two movable brackets, are installed on the fixed rear wheels and protect the stacker from the dangers arising from undesired movements when parked and/or during the lifting / lowering of the load.

For a more detailed explanation on the operation of the parking brakes, see paragraph 8.4.

Figure 2 – Close-up of the brakes.

The **pedal operated parking brakes** (ref. 5), consisting of two movable brackets, are installed on the fixed rear wheels and protect the stacker from the dangers arising from undesired movements when parked and/or during the lifting / lowering of the load.

For a more detailed explanation on the operation of the parking brakes, see paragraph 8.4.

Figure 3 – Close-up of the casing.

4.2 Use of Personal Protective Equipment

Use of PPE

ALWAYS use appropriate personal protective equipment (PPE), such as:

Safety shoes

Crush resistant safety gloves

Overalls or aprons

Figure 4 – Personal Protective Equipment.

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4.3 Identification Plate and Pictograms

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Via del Commercio 81,
41058 Vignola (MO) - ITALY

CE

Made in PRC

PREVENZIONE INFORTUNI

1. Il Sollevatore deve essere usato soltanto da personale esperto ed autorizzato.
2. Il Sollevatore deve essere usato in modo appropriato, secondo l'uso a cui è destinato.
3. Non caricare il Sollevatore oltre la portata massima specificata sulla targhetta.
4. Non caricare il peso su di una sola forca, ma bilanciate sempre il carico su entrambe.
5. Inserire completamente le forche sotto il carico e non usate soltanto le punte.
6. Alzare i carichi pesanti a pochi cm da terra per non sbilanciare il Sollevatore nella movimentazione.
7. Non fare avvicinare personale non addetto nel raggio d'azione del mezzo mentre è in opera.
8. Non sollevare persone o animali.
9. Non sostare sotto carichi sospesi.

USO E MANUTENZIONE

Si consiglia periodicamente di lubrificare le parti in movimento.

Lotto n°	
Anno di costruzione	2013
Articolo	0014
Portata massima	181 kg
Dimensione forche	630 X 570 mm
Alzata forche	90 - 2500 mm
Peso a vuoto	60 kg
Baricentro (mm)	305

Ragione sociale ed indirizzo del costruttore.
Marcatura CE.

Principali indicazioni di sicurezza, d'uso e di manutenzione.

Dati di targa della macchina.
Portata massima.

Figure 5 – Machine plate.

Pictograms Key

PLATE IN ITALIAN

PREVENZIONE INFORTUNI

1. Il Sollevatore deve essere usato soltanto da personale esperto e autorizzato.
2. Il Sollevatore deve essere usato in modo appropriato, secondo l'uso a cui è destinato.
3. Non caricare il Sollevatore oltre la portata massima specificata sulla targhetta.
4. Non caricare il peso su di una sola forca, ma bilanciate sempre il carico su entrambe.
5. Inserire completamente le forche sotto il carico e non usate soltanto le punte.
6. Alzare i carichi pesanti a pochi cm da terra per non sbilanciare il Sollevatore nella movimentazione.
7. Non fare avvicinare personale non addetto nel raggio d'azione del mezzo mentre è in opera.
8. Non sollevare persone o animali.
9. Non sostare sotto i carichi sospesi.

USO E MANUTENZIONE

Si consiglia periodicamente di lubrificare le parti in movimento.

Lotto n°	
Anno di costruzione	**2013**
Articolo	**0014**
Portata massima	**181 kg**
Dimensione forche	**630 X 570 mm**
Alzata forche	**90 – 2500 mm**
Peso a vuoto	**60 kg**
Baricentro (mm)	**305**

PLATE IN ENGLISH

PREVENTION OF ACCIDENTS

1. The Stacker must only be used by authorised and qualified personnel.
2. The Stacker must be used appropriately, according to the use for which it is intended.
3. Do not load the Stacker beyond the maximum capacity specified on the plate.
4. Do not load the weight on a single fork, but always balance the load on both.
5. Fully insert the forks under the load and do not use only the tips.
6. Raise heavy loads only a few inches off the ground to avoid unbalancing the Stacker during movement.
7. Never allow unauthorised personnel within range of the hand stacker while it is in operation.
8. Do not lift people and/or animals.
9. Do not stand under suspended loads.

OPERATION AND MAINTENANCE

It is recommended to routinely lubricate the moving parts.

Batch no.	
Year of construction	**2013**
Article	**0014**
Maximum load capacity	**181 kg**
Fork dimensions	**630 X 570 mm**
Fork height	**90 – 2500 mm**
Empty weight	**60 kg**
Centre of gravity (mm)	**305**

To be able to correctly interpret the identification plate, the relationship must be clear between the maximum lifting height, load capacity and the centre of gravity:

- the load capacity is the maximum weight of a load (with centre of gravity at a certain distance from the fork holder plate) which can be raised up to a certain height;
- the distance of the centre of gravity is the distance between the rear part of the load and the centre of gravity, where it is supposed that all the mass of the load is concentrated;
- the lifting height is the distance between the upper surface of the lifting platform (on which the load rests) and the ground.

Below is the plate indicating the residual capacities:

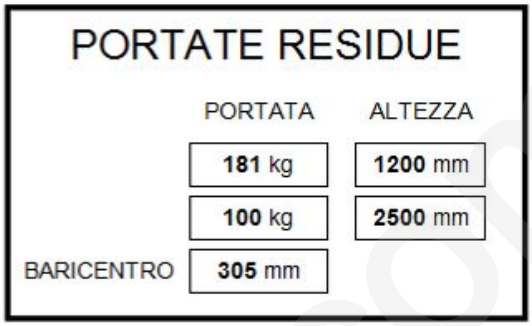

Figure 6 – Residual capacities.

The higher the lifting height, the lower the maximum load capacity permitted.

The greater the distance of the centre of gravity of the load, the lower the maximum load capacity permitted.

The plate shows the value of **181 kg**, which the manual Hand stacker can lift up to a height of **1200 mm**, for a uniformly distributed load on the platform with the centre of gravity **305 mm** from the fork holder plate. **At a height greater than 1200 mm, the maximum load capacity of the stacker is 100 kg.**

Maximum load capacity

- NEVER exceed the maximum load capacity of the stacker.
- Read the identification plate carefully. Any mistakes made when reading the plate could lead to a very serious or fatal injury.

Maximum load capacity

At a height greater than 1200 mm never lift loads weighing over 100 kg.

Distance of centre of gravity

DO NOT lift loads with a distance of centre of gravity exceeding 305 mm.

5 IMPROPER USE AND CONTRAINDICATIONS

The following actions described, which obviously can not cover the entire range of potential possibilities of "misuse" of the hand stacker, are to be considered **strictly prohibited.**

THE FOLLOW ARE STRICTLY PROHIBITED!:

- Lifting persons and/or animals that could fall;
- To lift loads while there are people near the hand stacker;
- Stand or pass under the raised forks;
- To lift loads heavier than the maximum rating indicated on the plate;
- Lifting unbalanced loads, with dimensions that exceed the set limits;
- Loading the forks only on one side or in one place. The load must be evenly distributed on both forks;
- Using the ends of the forks as levers to lift loads;
- Loading when forks when they are partially raised;
- Using the hand stacker on uneven rough surfaces and/or surfaces that are not strong enough to support the load (hand stacker + maximum nominal load capacity);
- Lifting loads that can change their static configuration, and/or their centre of gravity;
- Using the hand stacker when there is a possibility of the load moving accidentally;
- Turning at a right angle to stop the truck;
- Using the hand stacker as a jack for lifting vehicles;
- Leaving the loaded hand stacker unattended;
- Performing sudden manoeuvres with the hand stacker loaded;
- Allowing untrained staff to use the hand stacker;
- Using the hand stacker if you are not psycho-physically fit;
- Using the hand stacker without due care;
- Using the hand stacker for purposes other than those for which it was designed;
- Operating the hand stacker under unforeseen environmental conditions;
- Using the hand stacker in case of insufficient lighting.

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Crushing people

It is forbidden to transport people!

Serious injury may result from the transport of people.

Do not allow anyone to stand near or under the Stacker when in motion.

Maintain a safe distance between the stacker, people and obstacles to give the operator time to stop if necessary.

Watch out for pedestrians!

Pay attention to the forks when turning on the move.

Make sure there is sufficient space to be able move without hitting pedestrians.

Be careful not to trap people between the Stacker and fixed obstacles (walls, shelves, etc.).

Avoid Dropping to Protect Feet from Crushing

Keep your feet away from the wheels and the Stacker frame during travel (both empty and loaded).

Use in private areas

It is prohibited to use the Stacker on public roads.

The Stacker is not authorized to be used on public roads. It can be used only in private areas.

Danger of explosion

It is prohibited to use the Stacker in areas where there is a risk of explosion. Serious damage may be caused as a result!

The Stacker is not equipped for use in areas where there is a risk of explosion.

6 TRANSPORTING, LIFTING AND MOVING

The lifting of the Stacker for transport can be done by means of a crane or other lifting equipment of suitable load capacity.

LIFTING THE HAND STACKER

Insufficient load capacity

- Ensure that the lifting machinery and lifting accessories used have sufficient load capacity.
- If the Stacker tips over or falls during the lifting operations, serious injuries may be caused.

To lift, harness the Stacker, using appropriate lifting accessories with sufficient load capacity (polyester straps, steel cables, chains, etc.).

Pass the accessories below the upper beam of the upright, and then attach them to the hook of the lifting means.

Transportation requires industrial vehicles such as trucks, lorries etc.

The Stacker is equipped with wheels, so when moving it, make use of its directional and movement capabilities.

TRANSPORTING THE HAND STACKER

The hand stacker can be transported with the aid of its wheels both in a horizontal configuration and the vertical configuration. For use in a horizontal configuration make sure to insert the "upper" wheel axle into the outermost hole on the frame to allow the wheels to slide smoothly.

Figure 7 - Upper wheels

Figure 8 – Using the stacker in a horizontal configuration.

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7 COMMISSIONING

7.1 Unpacking instructions

Before disposing of packaging, check that no parts of the hand stacker, including the user manual or any further documentation, are going to be thrown away.

Figure 9 – Machine to be assembled in the packaging

Standard packaging

Packaging materials (plastic bags, polystyrene foam, etc.) must not be left within reach of children as these are potentially dangerous.

7.2 Checking the hand stacker

Before each use, check the perfect state of conservation of the structure, cables, forks and parking brakes.

Carry out a test lift (unloaded) before proceeding with actual use.

7.3 Assembly of the hand stacker

The hand stacker is disassembled inside the package to minimise the space occupied. To render the Hand stacker operational, it will be necessary to assemble the lifting forks and the front swivel wheel supports.

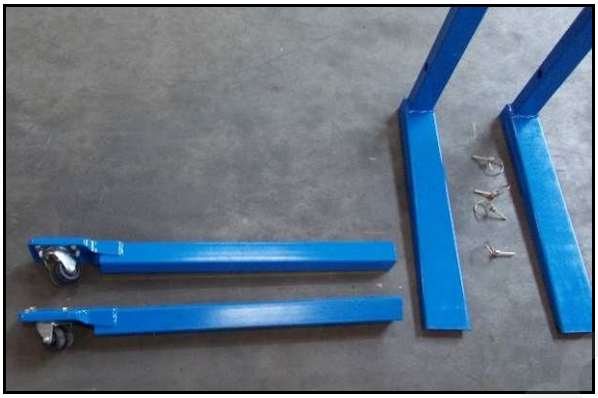

Figure 10 - Parts of the hand stacker to be assembled

7.3.1 Assembling the swivel wheel supports

To assemble the swivel wheel supports:

- Insert the support into the housing provided at the bottom of the hand stacker.

Figure 11 – Inserting the support

- Unlock the spring pin to allow the support to slide into its housing

Figure 12 – Unlocking the pin

- Slide the support into its housing and lock the pin inside the hole located at the end part of the support.

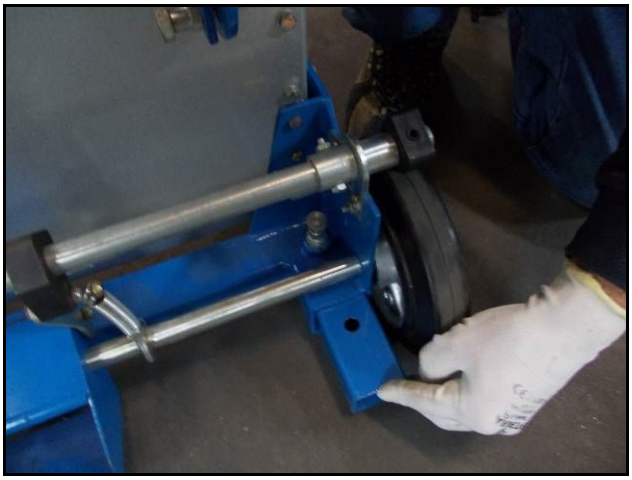

Figure 13 – Locking of pin with the hole in the support

- Repeat the same operation with the other support

Figure 14 - Assembled support.

7.3.2 Assembling the forks

To proceed with the assembly of the forks:

- Using the holes in the forks attached them onto the fork holding bars.

Figure 15 – Forks in position

- Lock the fork with the spring cotter pins.

Figure 16 – Insertion of the spring cotter pins.

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8 USING THE HAND STACKER

Moving loads manually

The manual handling of heavy loads always implies a risk of crushing resulting from mishandling.

The workers involved must proceed in accordance with the operating procedures and safety precautions in this manual and must be provided with any necessary accident prevention equipment (anti-crushing gloves and shoes).

At the rear of the Stacker there is a manual winch that with the help of cables and pulleys raises the forks. The manual winch is equipped with a safety lock to prevent the load on the forks from lowering suddenly without the intervention of the operator.

Figure 17 – Close-up of the manual winch.

To lift a load rotate the manual winch until it reaches the desired height and then use the safety lock to prevent the descent of the load. To use the safety lock rotate the manual winch until the lock pin is lined up with the hole in the casing of the winch itself. Then pull the spring pin towards you and release it to insert it securely into the hole (Figure 18 Ref. B).

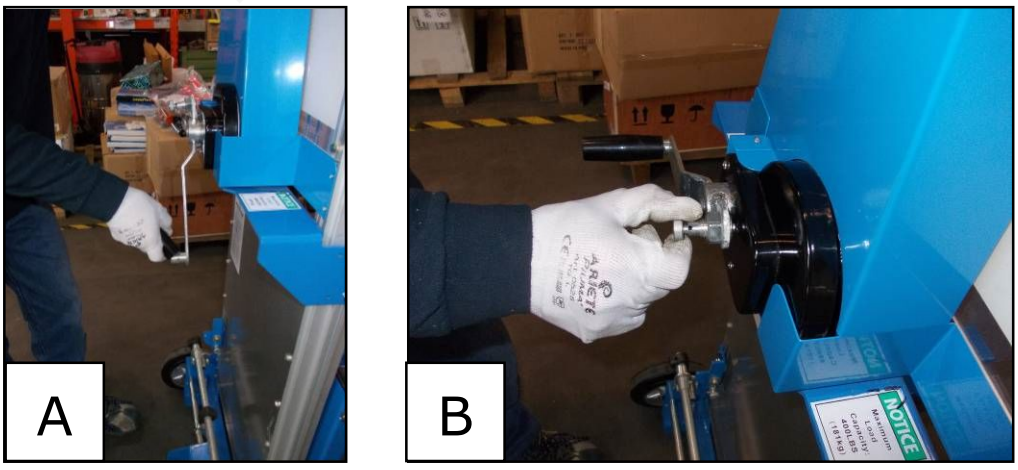

Figure 18 – Close-up of the lifting winch.

For added safety during transport or when lifting a load it is recommended to engage the fork descent locking device to secure the forks at a determined height to prevent unintended descent of the forks. To operate the lock pull the release pin located on the right part of the lock itself and rotate it horizontally. (Figure 19 Ref. B).

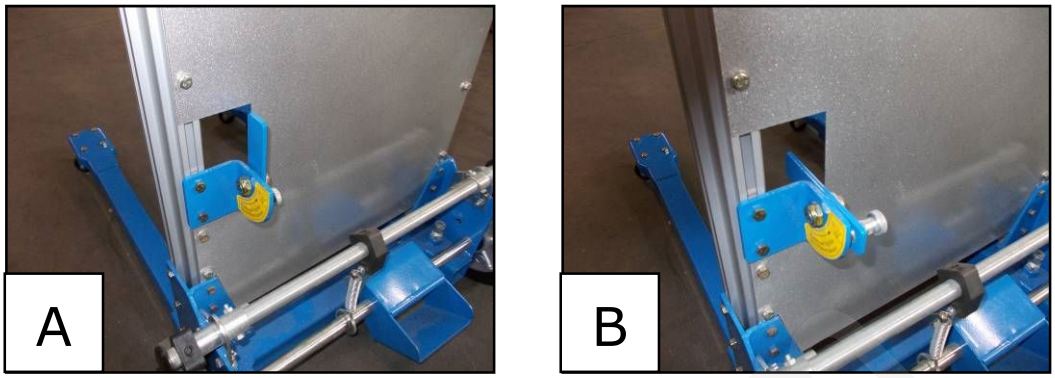

Figure 19 – Fork descent lock.

LOWERING THE LOAD.

To lower the load, disconnect the safety lock and rotate the manual winch in the opposite direction to that used to lift the load. The speed of descent depends on the speed of rotation: the greater the rotation the greater the speed with which the platform descends, and vice versa.

8.1 Lifting the load

Tipping and/or overturning

The manual movement of heavy loads involves a risk of tipping / overturning resulting from movements carried out quickly and without paying due attention. The assigned workers must, therefore, perform the manoeuvres of moving the stacker, especially on curves or at low speed, with extreme caution.

Tipping and/or overturning

The manual moving of heavy loads must ALWAYS be done with load at a low position (max. 30 cm from the ground).

8.2 Parking brakes

LOCKING OF THE BRAKES

To operate the brakes, press the rocker pedal at the centre of the Hand stacker. Clicking this button will brake both rear wheels of the Stacker.

Figure 20 – Brake pedal.

Supporting the load

Always ensure that the parking brake pad rests completely on the tread of the wheel, so as to achieve stable and safe braking.

RELEASING THE BRAKES

To release the parking brakes, press the rocker pedal again at the centre of the Hand stacker.

Tipping and/or overturning

DO NOT under any circumstances brake the Stacker on sloping surfaces.

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9 MAINTENANCE

The purpose of this section is to provide all the information on maintenance procedures and frequency that the Stacker requires.

Maintenance and repairs must be performed by qualified personnel.

For the execution of maintenance operations, refer to the complete drawings and the list of components found in chapter 12 of this manual.

9.1 Daily inspections or every 8 hours

Daily inspections	
Component	**Action**
Hand stacker*	Clean when necessary.
Forks, upright	Checks for any damage, attachments and excessive wear.
Cables	Checks on condition and wear
Wheels / rollers	Checking wear and the presence of any foreign objects. Remove any foreign objects found.
Labels	Make sure they are complete and legible.

*Do not use high-pressure cleaners and/or solvents to clean the Stacker.

Do not use wire brushes.

9.2 Tests to be performed daily or every 8 hours

Test area

Perform the verification test in an area free of people, animals and obstacles.
If malfunctions are detected, isolate the Stacker immediately and inform your supervisor.

Daily verification test	
Component	**Action**
Parking brake	Checking brakes (on a horizontal surface).
Manual winch	Raise and lower the platform. Check the condition of the cables and the functioning of the safety lock.

9.3 Long-term maintenance and inspection programmes

In addition to the daily safety checks, regular checks and maintenance must be carried out according to the following intervals:

- Every month or 100 hours of use*
- Every six months or 500 hours of use*
- Every year or 1000 hours of use*

*depending on which occurs first.

Maintenance and inspection

The maintenance and inspection work requires expertise and experience and must not be performed by the operator, but by a specialised technician.

9.4 Monthly inspections or every 100 hours

Monthly inspections or every 100 hours	
Component	**Action**
Lifting cables	Cleaning, inspection of wear, lubrication.
Rollers and steering wheels	Control the play, replacing the bearings if necessary.

9.5 Six-monthly inspections or every 500 hours

Six-monthly inspections or every 500 hours	
Component	**Action**
Lifting mechanisms	Check the play of the bearings, replace if necessary.
Fork holder carriage	Checking the wear and tear of the grooves, the play of the bearings, replace if necessary.
Forks and platform	Check the play between the forks and the fork holder carriage.
Fixed wheels and steering wheels	Clean, check for wear, perform replacements if necessary, lubrication.

9.6 Annual inspections or every 1,000 hours

Annual inspections or every 1,000 hours	
Component	**Action**
Manual winch	Remove the winch manual and check that it operates correctly.
Brake	Check pads and the wear of contact surfaces, replacing if necessary.

10 DECOMMISSIONING

10.1 Hand stacker downtime

The Hand stacker does not need to undergo specific conservation treatment if it is not used for long periods. Just make sure that it is kept away from atmospheric agents.

10.2 Disassembly and disposal of materials and components

If the hand stacker is to be scrapped, its parts must be separated for disposal.

Respect the environment!!

Contact a specialist centre for the collection of metallic materials.

The structure of the Hand stacker is made of iron, some gaskets, parts of the wheels and the rollers are made of polymeric material. In this regard, differentiate the materials according to their nature, with the assistance of specialist companies authorized for waste disposal, in compliance with the requirements of the law.

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